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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,547	09/22/2003	James K. Bullis	9929	
7590 12/14/2005			EXAMINER	
James K. Bullis			IMAM, ALI M	
1155 Pimento Ave. Sunnyvale, CA 94087			ART UNIT	PAPER NUMBER
James , G 12 9,000.			3737	
		DATE MAILED: 12/14/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/667,547	BULLIS, JAMES K.				
Office Action Summary	Examiner	Art Unit				
	Ali Imam	3737				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period was reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tim within the statutory minimum of thirty (30) days vill apply and will expire SIX (6) MONTHS from to cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
Responsive to communication(s) filed on <u>29 September 2005</u> .						
2a)⊠ This action is FINAL . 2b)☐ This	action is non-final.					
,— ,,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 1-29 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-27 is/are allowed. 6) Claim(s) 28 and 29 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on 22 September 2003 is/a Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Ex	are: a)⊠ accepted or b)⊡ object drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa					
Paper No(s)/Mail Date 6) Other:						

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 28 and 29 are rejected under 35 U.S.C. 102(b) as being anticipated by Smith et al. 2. (US 6,066,096).

Smith teaches a large aperture array (205) of transducers formed as strips that are attached to a backing surface (335) wherein the strips are cut into segments that cause a strip to function as a plurality of transducers that are connected to respective electric circuits. Smith's transducer is adapted for improving the parallel processing (col. 1, lines 33-45) which inherently suggest that the electrical operation is in relation to an electric field that is parallel to the backing surface.

Response to Arguments

3. Applicant's arguments filed 9/29/5 have been fully considered but they are not persuasive. Applicant's core argument is that Smith does not teach that the electrical operation is in relation to an electric field that is parallel to the backing surface (335). The examiner respectfully disagrees. Smith teaches in col. 9, lines 44-65 that the distal end of the conduit (330) is positioned substantially parallel to the ultrasonic transducer phased array (205) to allow a plurality of pads (339), positioned at the distal end of the plurality of conductors (337), to be directly connected to a plurality of corresponding elements of the ultrasonic transducer phased

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array (205) wherein the backing surface (335) is positioned between the conduit (330) and the distal end of the elongated body (210). Smith further teaches that the backing surface (335) is acoustically matched to the mounting plate (305) to reduce the reflection of acoustic energy emitted from the ultrasonic transducer phased array (205). It is inherent that such arrangement of the phased array of ultrasound elements with the backing would generate an electrical operation which would be in relation to an electric field that is parallel to the backing surface (335) in order for the parallel processing to take effect.

Allowable Subject Matter

4. Claims 1-27 are allowed.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time 5. policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ali Imam whose telephone number is 571-272-4737. The examiner can normally be reached on Mon. - Th., 8:00- 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571-272-4956. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ali Imam
Primary Examiner

Primary Examiner
Art Unit 3737

AI 12/10/2005